

COPY OF ALL CLAIMS

1. (currently amended) An apparatus for transporting polymer dispersions, said apparatus being capable of being driven by a drive and ~~particularly~~ comprising impellers (28), ~~it being possible for said impellers being both to be~~ surrounded by a housing (30) ~~or protruding and to protrude~~ freely into a medium, and a number of vanes (2) being mounted in the region of the hub (1), wherein a number of individual curved vanes (2) are freely mounted on the shaft hub (1) of an impeller (28), so that pumping spaces (5, 25) on the front side (7) and rear side (8) of the curved ~~curved~~ vanes (2) of the impeller (28) are flowed through uniformly.
2. (original) The apparatus for transporting as claimed in claim 1, wherein the angle (23) of entry into the pumping spaces lies between 30° and 120°.
3. (original) The apparatus for transporting as claimed in claim 2, wherein the angle (23) of entry into the pumping spaces is 90°.
4. (original) The apparatus for transporting as claimed in claim 1, wherein the entire impeller (28) is provided with a conductive PFA coating.
5. (currently amended) The apparatus for transporting as claimed in claim 1, wherein the curved ~~curved~~ vanes (2) bounding the pumping spaces (5, 25) have the same

path of curvature on the front side (7) and rear side (8).

6. (currently amended) The apparatus for transporting as claimed in claim 5, wherein the curved ~~curred~~ vanes (2) have the same radius of curvature (9, 21) on the front side (7) and rear side (8).

7. (currently amended) The apparatus for transporting as claimed in claim 1, wherein the center line (11) of the curved ~~curred~~ vanes (2) on the impeller (28) describe a segment of a circle between the enveloping curve (6) and the center of the hub (1).

8. (currently amended) The apparatus for transporting as claimed in claim 1, wherein the edges of the curved ~~curred~~ vanes (2) of the impeller (28) are of a rounded form.

9. (original) The apparatus for transporting as claimed in claim 1, wherein the ratio of the vane width (4) to the vane thickness (3) is >1 .

10. (currently amended) The apparatus for transporting as claimed in claim 1, wherein the enveloping curve (6) of the impeller (28) is surrounded by a spiral housing (30) ~~a spiral housing~~.

11. (currently amended) An impeller for transporting polymer dispersions, said impeller being driven by a drive and a number of vanes (2) being mounted in the region of the hub (1), wherein a number of individual curved ~~curred~~ vanes (2) are freely mounted on the hub (1) of the impeller (28), so that pumping spaces (5, 25) on the front side (7) and rear side (8) of the vanes (2) of the impeller (28) are flowed through uniformly.
12. (currently amended) An impeller for transporting media, said impeller being capable of being driven by a drive and a number of vanes (2), being mounted in the region of the hub (1), ~~it being possible for said impeller being both to be~~ surrounded by a housing or protruding ~~and to protrude~~ freely into the medium, wherein a number of individual curved ~~curred~~ vanes (2) are freely mounted on the hub (1) of the impeller (28), so that pumping spaces (5, 25) on the front side (7) and rear side (8) of the curved ~~curred~~ vanes (2) of the impeller (28) are flowed through uniformly.
13. (canceled)